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Reviewer: Keisha Douglas

Timestamp: [year=2009; month=3; day=13; hr=16; min=22; sec=33; ms=803; ]

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Application No: 10589902 Version No: 2.0

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**Finished:** 2009-02-23 17:51:07.299  
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**Total Warnings:** 14  
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**No. of SeqIDs Defined:** 26  
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## SEQUENCE LISTING

<110> WAKITA, Takaji  
KATO, Takanobu  
DATE, Tomoko  
MIYAMOTO, Michiko  
TANABE, Jun-ichi  
SONE, Saburo

<120> NUCLEIC ACID CONSTRUCT CONTAINING FULL LENGTH GENOME OF HUMAN  
HEPATITIS C VIRUS ... AND METHOD OF PRODUCING HEPATITIS C VIRUS  
PARTICLE

<130> 1254-0321PUS1

<140> 10589902  
<141> 2009-02-23

<150> PCT/JP2005/003232  
<151> 2005-02-21

<150> JP 2004-045489  
<151> 2004-02-20

<160> 26

<170> PatentIn version 3.5

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from JFH-1 clone

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cccccucccg ggagagccau aguggucugc ggaaccggug aguacaccgg aauugccggg 180  
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ggcgccccgc uuaguggcgc cgccagagcu gucgccgcacg gcgugagagu ccuggaggac 480  
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derived from JFH-1 clone

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guggggaaaua cgucacggug uugggugcca gucucgccaa acauggcugu gcgccagccc 180  
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<220>  
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derived from JFH-1 clone

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cguacugccu ugaaauugcaa ugacuccuug aacaccggcu uucucgcggc cuuguucuac 180  
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ggggccuggc ucacacaaa gugccugguc cacuacccuu acagacucug gcauuacccc 720  
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<222> (1)..(651)  
<223> NS2 protein-coding sequence of hepatitis C virus genomic RNA  
derived from JFH-1 clone

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cugacccugg gggaaaggcau gauucaggag ugguuaccac ccaugcaggu gcgcggcggc 180  
cgcgauggca ucgcguggggc cgucacuaua uucugcccg gugugguguu ugacauuacc 240  
aaauggcuuu uggcguugcu ugcccugcu uaccucuuaa gggccgcuuu gacacaugug 300  
ccguacuuucg ucagagcuca cgcucugaua aggguaugcg cuuuggugaa gcagcucgcg 360  
ggggguaggu auguucagggu ggccguauug gcccuuggca gguggacugg caccuacauc 420  
uaugaccacc ucacacccaua gucgacugg gcccguagcg gcccugcgcga cuuagcgguc 480  
gccguggaac ccaucaucuu caguccgaug gagaagaagg ucaucgucug gggagcggag 540  
acggcugcau guggggacau ucuacaugga cuucccggug cggcccgacu cggccaggag 600  
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<210> 6  
<211> 1893  
<212> RNA  
<213> Hepatitis C virus

<220>  
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<222> (1)..(1893)  
<223> NS3 protein-coding sequence of hepatitis C virus genomic RNA  
derived from JFH-1 clone

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augacggggc gugacaggac agaacaggcc ggggaaguucc aaaucuguc cacagucucu 120  
caguccuucc ucggaacaac caucucggg guuuuugugga cuguuuacca cggagcuggc 180  
aacaagacuc uagccggcuu acgggguccg gucacgcaga uguacucgag ugcugagggg 240  
gacuugguag gcuggcccag ccccccuggg accaagucuu uggagccug caagugugga 300  
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ucucccacuu ucagugacaa cagcacgcca ccggcugugc cccagaccua ucagguggg 600  
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cucggcaucg gaacgguccu ugaucaagca gagacagccg gggucagacu aacugugcug 960  
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ugguacgauc ucacaccaggc ggagaccacc gucaggcuaa gagcguauuu caacacgccc 1560  
ggccuacccc ugugucaaga ccaucuugaa uuuggggagg caguuuuucac cgccucaca 1620  
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guagccuacc aagcuacggu gugcgccaga gccaaggccc cucccccgcuc cugggacgcc 1740  
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aaggaggucc uguauagggc uuuuugaugag auggagggaaau gc 162

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<212> RNA  
<213> Hepatitis C virus

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<222> (1)..(783)  
<223> NS4B protein-coding sequence of hepatitis C virus genomic RNA derived from JFH-1 clone

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gcuucauggc ccaaagugga acaauuuugg gccagacaca uguggaacuu cauuagcggc 180  
auccaauacc ucgcaggauu guaacaacau gcaaggaaacc ccgcgguggc uuccaugaug 240  
gcauucagug cgcuccucac caguuccguug ucgaccagua ccaccauccu ucuacaac 300  
auggggaggcu gguuagcgcuc ccagaucgca ccacccgcgg gggccaccgg cuuugucguc 360  
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cuggcaggau auggugcggg cauuucgggg gcccucguug cauucaagau caugucuggc 480  
gagaagccu cuauggaaga ugucaucaau cuacugccug ggauccuguc uccggggagcc 540  
cugguggugg gggucaucug cgcgcccauu cugcgccgccc acguggggacc gggggagggc 600  
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ugc 783

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derived from JFH-1 clone

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aagggguaca agggugugug ggccggcacu ggcaucauga ccacgcgcug cccuugggc 180  
gccaacaucu cuggcaaugu ccgcccugggc ucuaugagga ucacagggcc uaaaaccugc 240  
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aaaccccca cgaacuacaa gaccgcgauc uggagggugg cggccucggc guacgcggag 360  
gugacgcagc augggucua cuccuaugua acaggacuga ccacugacaa ucugaaaauu 420  
ccuugccaac uaccuucucc agaguuuuuc uccuggggugg acggugugca gauccauagg 480  
uuugcaccca caccaaagcc guuuuuccgg gaugaggguu cguucugcgu uggggcuuaau 540  
uccuaugcug ucggguccca gcuuuccugu gaaccugagc ccgacgcaga cguauugagg 600  
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cccaggagcg gguuuccacg ggccuuaccg gcuugggcac gcccugacua caacccgccc 960  
cucguggaaau cguggaggag gccagauuac caaccgccc cccuugcugg uugugcucuc 1020  
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<223> NS5B protein-coding sequence of hepatitis C virus genomic RNA  
derived from JFH-1 clone

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acaucaaaga gcccucaca gagggcuaaa aagguaacuu uugacaggac gcaagugcuc 180  
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guuuacccug accucggcgu cccggcucugc gagaaaaugg cccucuauga cauuacacaa 540  
aagcuccuc aggccguauu gggagcucc uauuggcucc aguacucccc ugccccacgg 600  
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caggccugcu cccugcccga ggaggcccgc acugccauac acucgcugac ugagagacuu	780
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gccagcgggg ugcuaaccac uagcaugggu aacaccauca caugcuaugu gaaagcccua	900
gcggccugca aggcugcggg gauaguugcg cccacaaugc ugguaugcgg cgaugaccua	960
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 <212> RNA  
 <213> Hepatitis C virus

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 <223> 3' non-translated region of hepatitis C virus genomic RNA derived  
 from JFH-1 clone

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uuuuuuuuuu uuuuuuuuuu uuuuuuuuuu uuuuuuuuuu cccucuuucu ucccuucuca	120
ucuuauucua cuuucuuucu ugugggcucc aucuuagccc uagucacggc uagcugugaa	180
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<223> full-length Hepatitis C virus genomic RNA derived from JFH-1 clone

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cuuacacgcaag aaagcgccua gccauggcgu uaguaugagu gucguacagc cuccaggccc 120  
cccccuccccg ggagagccau aguggucugc ggaaccggug aguacaccgg aauugccggg 180  
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cacgacaagg aaaacuucgg agcgguucca gccacguggg agacgcccagc ccauccccaa 540  
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gggccccacu gaccccggc auaggucgcg caacgugggu aaagucaucg acacccuaac 720  
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